



## Wall Fans/Ceiling Fans Hushvent

### 1.1. General

A. Provide a Warm air reclaim fan unit to meet the performance and configuration as indicated in the schedule and detail drawings. The reclaim fan unit shall be certified to AMCA 210 and shall be of the Hushvent type as manufactured by VES Andover Ltd a company accredited with BS EN ISO 9001:2008.

### 1.2. Unit Construction

A. The unit shall be provided pre-assembled comprising of a single skinned galvanised sheet steel case, plate axial fan with inlet mesh guard, and removable anodised aluminium construction outlet grille.

B. The unit shall be fitted with drop rod mounting brackets suitable for 8mm studding as indicated in the detail drawings.

C. The unit shall be supplied with a pre-wired thermostat controller & fan motor isolator.

D. Access for maintenance shall be via removal of the outlet grille.

E. The Unit casework shall be powdercoated as standard Signal grey to RAL7004. Colour to be in accordance with schedule. The anodised aluminium outlet grille shall be finished in white.

F. The Unit shall be designed to be suspended 1.0m from roof via drop-rods in accordance with schedule.

### 1.3. Fan Impeller

A. The fan shall be of aluminium blade construction for rigidity and long life. The impeller shall be statically and dynamically balanced to UNI ISO 1940. The fan shall be mated with an aerodynamic steel bell mouth wall plate for high efficiency and low noise generation.

B. The fan, mounting plate & mesh guard shall be finished in RAL9005 (Black)

### 1.4. Motor

A. The unit shall be provided with an external rotor motor to insulation class F, IP54 environmental protection rating & shall be supplied with thermal protection cutout as standard.

B. The motor shall be pre-wired to an external lockable isolator.

C. The motor shall be pre-wired to an automatic on/off thermostat controller. The controller shall have a fully adjustable temperature setting.

### 1.5. Operation Environment

A. The unit shall be designed to operate in ambient temperatures from -30°C up to 70°C, and can run continuously at up to 100% humidity level.

### 1.6. Controls

A. The unit shall be available with automatic speed control systems designed to operate from a 0-10v BMS i.e Air quality or Temperature sensor according to schedule.

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